Technical Details

The Regulator:	524C
Input Pressure:	0.3 - 16 bars
Regulated Delivery Pressure:	Butane system 28 mbar Propane system 37 mbar
Guaranteed Flow Rate:	1.5 Kg/h
Inlet Pipe Fitting:	20 x 1.5M
Outlet Pipe Fitting:	20 x 1.5M

The 524C regulator is in fact two regulators designed into one unit. The first regulator takes the cylinder pressure (0.3 -16 bars) and reduces it to a maximum of 0.15 bars (150mbars) which then feeds this constant pressure to the second regulator which reduces the operating pressure to its working pressure - see regulator markings.

This regulator also has an additional safety requirement by preventing the delivery pressure from exceeding 150 mbar to the appliances in the event of a malfunction.

High Pressure Hose produced and independently tested to BS 3212 – 1991/2

Gaslow Gauge

Design:	Din EN 562	
Accuracy Class:	2.5 per EN 837-1/5(before switch point)	
Pressure Connection:	EN837-1 / 7.3.2	
6 metre cable with 2.1mm connector		
Electrical Data:		
Factory set switches, non-adjustable Gold plated contact		
Switch Voltage:	Maximum 6 volts	
Switch Current:	6 mA	
Max. Switch Energy	12.6 uJ	
Operating Pressures:	Butane	0 - 4 bar
	Propane	0 - 14.5 bar

Electra 1000 Receiver
Conforms to CE em directives
4 x AAA Alkaline 1.5V battery = 6 volt

Gaslow International Ltd
Unit 1, Weldon Road,
Loughborough,
Leicestershire LE11 5RA.
Tel: 0845 4000 600
Email: info@gaslow.co.uk

ELECTRA 1000 LP Gas System

Assembly and Operating INSTRUCTIONS

For Propane or Butane,
Single and Double Cylinder Systems

Installation

- The Regulator (1), Manifold (2) and the Low-Pressure Nozzle (3) are already assembled together.
- Secure the above in your gas locker using the Mounting Bracket (1). IMPORTANT – The direction of the gas flow is indicated by an arrow marked on the body of the Regulator.
- Push the low-pressure hose onto the outlet nozzle and secure with a hose clip (4) (not supplied).
- Fit the high pressure hose to the manifold (Two hoses for twin cylinder systems). Make sure you check the connections are clean and the sealing washer (5) is in good condition. Screw the hoses onto the manifold and tighten with a spanner.

Installing the Electra 1000 remote indicator.

- Position the Remote Indicator and run the cable connected to the gauge (6) to it. 6 metre extension cable is included.
- Plug the cable connection into either of the connections located inside the battery compartment (7).
- Fit 4 x AAA batteries (8) (not supplied).

Connecting to your gas system.

- Make sure the gas supply is switched OFF at the cylinder.
- Check the hose ends are clean and free from damage. On the Butane systems also check the rubber washers.
- Connect the high-pressure hose to the gas cylinder (Two hoses for twin cylinder systems) with a spanner and securely tighten the LEFT-HAND threaded nut.
- With the gas switched off and the needle at "zero" press the on/off window on your Remote Indicator to ensure the red light is functioning.

Operating Electra 1000 Remote Indicator as a Leak Detector

Leak testing is easy and we recommend this procedure be performed on a regular basis.

- Ensure ALL gas appliances are turned OFF.
- PRESS the ON/OFF window – Red Light is on.
- Turn ON the gas at either of the cylinders and pressurise the system. The Remote indicator light goes out.
- Turn OFF the gas supply. The Electra 1000 will now monitor the gas pressure in your system between the gas cylinder and the appliances.
- ANY LEAKS WILL BE INDICATED BY THE Remote Indicator light coming on after 30 minutes.

IMPORTANT: The Remote indicator may come on after a much longer period of time because your gas system will not maintain gas pressure indefinitely

Operating the Gaslow Gauge as a Leak Detector.

- Ensure ALL gas appliances are turned OFF.
- Turn ON the gas at either of the cylinders and pressurize the system. The gauge needle will show GREEN.
- Turn OFF the gas supply. The Gaslow will now monitor the gas pressure in your system between the gas cylinder and the appliances.
- ANY LEAKS WILL BE INDICATED BY THE needle starting to fall back over the leak test scale towards its resting position. The needle should not move for at least 3 minutes.

In the event of a leak, identify the source before using your gas system. Use a recommended leak detector or a soapy water solution - NEVER USE A NAKED FLAME. Testing for leaks should start at the gas cylinder working back to your appliances.

Operating Electra 1000 Remote Indicator for Low Gas Supplies

- When consuming gas in normal conditions the red low level indicator light will come on when your gas supplies are running low.
- When this happens monitor the Gaslow Gauge, (see below) for a more detailed indication of gas levels.
- If, after the red indicator has come on you turn off the appliances before emptying the cylinder, the red indicator will eventually go out.
- When you start consuming the gas again to use up the gas in the cylinder you will have less warning the second time the light comes on.
- Butane and Propane gas are both ambient tempera ture sensitive. For more detail refer to Operating the Gaslow Gauge below.

Operating the Gaslow Gauge for Low Gas Supplies

- The Gaslow gives you warning of low gas levels ONLY when gas is being consumed. Therefore ALWAYS ENSURE YOU ARE BURNING GAS WHEN READING THE GASLOW.
- For best results we recommend a higher consumption appliance such as a cooker or heater, NOT A FRIDGE OR PILOT BURNER as they consume very little gas and will give insufficient warning of gas exhaustion.
- The Gaslow requires an adjustment time of 10 minutes of consumption to give the most accurate reading.
- On a low consumption appliance, the gauge will indicate longer cylinder life. If high consumption appliances were then used, the gauge would adjust to show a shorter cylinder life.
- Supplies are summarized as follows:

GREEN ZONE	No worries. Gas supply adequate at current rate of consumption.
YELLOW ZONE	Early warning. Keep an eye on your gas supply.
RED ZONE & RED LIGHT	Gas almost empty and ready for changing

IMPORTANT: The Gaslow gauge allows for ambient temperatures with sectors on the dial face marked 'hot day', 'cool day' and 'cold day'. Read the needle on the outer band when it's cold and the inner when it's hot.

Please Note:- Propane gas operates at very low temperatures down to minus 20 degrees Centigrade. Butane gas will register in the red zone at very low temperatures when there is still liquid in the cylinder. Butane will not operate when temperatures fall close to freezing.

Using the LP Gas System

Single Hose System

- Turn ON the gas supply at the cylinder.
- When consuming gas, the Electra 1000 and Gaslow Gauge will monitor the gas supply as described above. When gas is running low, the cylinder will be ready for changing.

Twin Hose System

- Turn ON the gas supply at ONE of the cylinders.
- When consuming gas, the Electra 1000 and Gaslow Gauge will monitor the gas supply as described above. When gas is running low, the cylinder will be ready for changing.
- To change over simply turn ON the gas at the second cylinder and turn OFF the gas supply at the empty cylinder.
- The built-in non-return valve allows the empty gas cylinder to be disconnected and immediately replaced without having to turn off the gas supply.

IMPORTANT: When changing over gas cylinders, the gas system must not be left with only one gas cylinder connected when gas is turned ON at the cylinder.

General Safety Precautions

Gas cylinder storage areas must be well ventilated. Use no naked flames, cigarettes, matches etc. in the vicinity when connecting, disconnecting OR WHEN OPERATING THE GAS SUPPLY.

Should there be any queries please contact your local dealer or ourselves direct.